21/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 8

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19)							
	Head Room's Column		Continutity Qty MB1 P.NO-30				Sqm	397.77
	C2	Sqm	6	2	0.20		2.40	5.76
		Sqm	6	2	0.75		2.40	21.60
	C3	Sqm	2	2	0.20		2.40	1.92
		Sqm	2	2	0.75		2.40	7.20
	C4	Sqm	2	2	0.20		2.40	1.92
		Sqm	2	2	0.75		2.40	7.20
	Dummy Column							
	C1	Sqm	4	2	0.20		1.20	1.92
		Sqm	4	2	0.75		1.20	7.20
	C2	Sqm	12	2	0.20		1.20	5.76
		Sqm	12	2	0.75		1.20	21.60
	C3	Sqm	4	2	0.20		1.20	1.92
		Sqm	4	2	0.75		1.20	7.20
	C4	Sqm	4	2	0.20		1.20	1.92
		Sqm	4	2	0.75		1.20	7.20
	CA1	Sqm	4	2	0.20		1.20	1.92
		Sqm	4	2	0.75		1.20	7.20
					Total Work Done			507.21
					Upto 125%			208.16
					Above 125%			299.05

For M/S. K. DAMODAR & Co
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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3/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No **15**

S.N	Description of work	DIA	No	No	Nos of Bar	L	C	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-25				KG	1170.32
	Head Room 1,2,3 Cloumn							
	C2 COLUMN	16MM	1	6	10.00	3.55	1.58	336.54
	Strrups 190c/c	8MM	1	6	19.00	1.86	0.39	82.70
	Strrups 190c/c	8MM	1	6	19.00	1.44	0.39	64.02
	Strrups 190c/c	8MM	1	6	19.00	1.14	0.39	50.68
	C3 COLUMN	20MM	1	2	10.00	3.55	2.46	174.66
	Strrups 190c/c	8MM	1	2	19.00	1.86	0.39	27.57
	Strrups 190c/c	8MM	1	2	19.00	1.44	0.39	21.34
	Strrups 190c/c	8MM	1	2	19.00	1.14	0.39	16.89
	C4 COLUMN	20MM	1	2	12.00	3.55	2.46	209.59
	Strrups 190c/c	8MM	1	2	19.00	1.86	0.39	27.57
	Strrups 190c/c	8MM	1	2	19.00	1.44	0.39	21.34
	Strrups 190c/c	8MM	1	2	19.00	1.14	0.39	16.89
	Dummy Cloumn's							
	C1 COLUMN	12MM	1	4	8.00	1.2	0.89	34.10
	Strrups 190c/c	8MM	1	4	7.00	1.86	0.39	20.31
	Strrups 190c/c	8MM	1	4	7.00	1.44	0.39	15.72
	C2 COLUMN	16MM	1	12	8.00	1.2	1.58	182.02
	Strrups 190c/c	8MM	1	12	7.00	1.86	0.39	60.93

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	Strrups 190c/c	8MM	1	12	7.00	1.44	0.39	47.17
	Strrups 190c/c	8MM	1	12	7.00	1.14	0.39	37.35
	C3 COLUMN	20MM	1	4	10.00	1.2	2.46	118.08
	Strrups 190c/c	8MM	1	4	7.00	1.86	0.39	20.31
	Strrups 190c/c	8MM	1	4	7.00	1.44	0.39	15.72
	Strrups 190c/c	8MM	1	4	7.00	1.14	0.39	12.45
	C4 COLUMN	20MM	1	4	12.00	1.2	2.46	141.70
	Strrups 190c/c	8MM	1	4	7.00	1.86	0.39	20.31
	Strrups 190c/c	8MM	1	4	7.00	1.44	0.39	15.72
	Strrups 190c/c	8MM	1	4	7.00	1.14	0.39	12.45
	C5 COLUMN	16MM	1	2	8.00	1.2	1.58	30.34
	Strrups 190c/c	8MM	1	2	7.00	1.48	0.39	8.08
	Strrups 190c/c	8MM	1	2	7.00	1.06	0.39	5.79
							KG	3018.67
					Total Work Done		**Tonne**	**3.02**

For M/s. K. DAMODAR & Co.
Contractor
B. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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41/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	3							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRB 4-1.2 Providing and Laying in position plain cement concrete of Mix 1:3:6 with OPC Cement @220kgs with 40mm down size graded granite metal coarse aggregate 0.89cum and fine aggregate @ 0.465Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification.							
	Dummy Column							
	C1	Cum	4	1	0.20	0.75	1.20	0.72
	C2	Cum	12	1	0.20	0.75	1.20	2.16
	C3	Cum	4	1	0.20	0.75	1.20	0.72
	C4	Cum	4	1	0.20	0.75	1.20	0.72
	CA1	Sqm	4	2	0.20	0.60	1.20	1.15
					Total Qty Work Done			**5.47**

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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6/05/25

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	4							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
				Continutity Qty MB1 P.NO-32			Cum	46.61
	Head Room Column							
	C2	Cum	6	1	0.20	0.75	2.40	2.16
	C3	Cum	2	1	0.20	0.75	2.40	0.72
	C4	Cum	2	1	0.20	0.75	2.40	0.72
						Total Qty Work Done		50.21

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Engineer
Ward No 16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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7/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 9

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)							
			Continutity Qty MB1 P.NO-38				Sqm	91.05
	Head Room							
	B39,B41	Sqm	2	2	8.05		0.45	14.49
	B20,B26 Inside	Sqm	4	1	6.55		0.45	11.79
	B20,B26 OutSide	Sqm	2	1	6.95		0.45	6.26
	Deduct	Sqm	4	2	0.20		0.45	0.72
	Head Room	Sqm	1	1	29.80		0.15	4.47
	StairCase Room							
	B18,B23,B22,B24	Sqm	4	1	3.40		0.45	6.12
	B35&B37 InSide	Sqm	2	2	4.96		0.45	8.93
	B35&B37 OutSide	Sqm	2	2	5.36		0.45	9.65
	Slab Edge	Sqm	2	1	5.00		0.15	1.50
		Sqm	2	1	4.20		0.15	1.26
		Sqm	2	2	5.96		0.15	3.58
	Column	Sqm	2	1	1.30		0.60	1.56
	Column	Sqm	2	2	0.20		0.45	0.36
						Total Work Done		161.73
						Upto 125%		161.73

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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8/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 12

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-39				Sqm	172.26
	Staircase Head Room1,2	Sqm	1	2	5.36	3.8		40.74
	Slab Projaction	Sqm	2	2	5.96	0.60		14.30
		Sqm	2	1	5.00	0.60		6.00
	Head Room	Sqm	1	1	8.05	6.95		55.95
	Slab Projaction	Sqm	1	2	9.75	0.85		16.58
	Slab Projaction	Sqm	1	1	6.95	0.85		5.91
					Total Qty Work Done			311.73
					Upto 125%			125.36
					Above 125%			186.37

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant/Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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9/08/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 15

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No KBS (P.No 18, I.No 4.46.2 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-51				KG	3018.67
	Head Room 3							
	B20 Main top bar	20MM	1	1	2.00	8	2.46	39.36
	Main btm bar	20MM	1	1	2.00	8	2.46	39.36
	EX.bar top Ends	20MM	1	2	2.00	2.85	2.46	28.04
	EX.bar bottom	20MM	1	1	2.00	5.15	2.46	25.34
	strrups 150c/c	8MM	1	2	8.00	1.48	0.39	9.24
	strrups 150c/c	8MM	1	1	8.00	1.48	0.39	4.62
	Spacer Bar	20MM	1	5	1.00	0.18	2.46	2.21
	Main top bar (BA)	20MM	1	1	2.00	8.35	2.46	41.08
	Main btm bar	20MM	1	1	2.00	8.35	2.46	41.08
	EX.bar bottom	20MM	1	1	3.00	5.25	2.46	38.75
	strrups 100c/c	10MM	1	2	21.00	1.78	0.62	46.13
	strrups 150c/c	10MM	1	1	18.00	1.78	0.62	19.77
	Main top bar (B26)	20MM	1	1	2.00	8	2.46	39.36
	Main btm bar	20MM	1	1	2.00	8	2.46	39.36
	EX.bar top Ends	20MM	1	2	2.00	2.85	2.46	28.04
	EX.bar bottom	20MM	1	1	2.00	5.15	2.46	25.34
	strrups 150c/c	10MM	1	2	14.00	1.48	0.62	25.57
	strrups 175c/c	8MM	1	1	18.00	1.48	0.39	10.39
	Spacer Bar	20MM	1	3	4.00	0.18	2.46	5.31
	B39 to B40							
	Main top bar	20MM	2	1	2.00	14.2	2.46	139.73
	Main btm bar	20MM	2	1	2.00	14.2	2.46	139.73
	Ex.bar top	20MM	2	1	3.00	4.45	2.46	65.68
	EX.bar bottom	20MM	2	1	3.00	9.85	2.46	145.39
	strrups 150c/c	10MM	2	2	12.00	1.55	0.62	45.90
	strrups 175c/c	10MM	2	1	8.00	1.55	0.62	15.30
	strrups 150c/c	10MM	2	2	14.00	1.55	0.62	53.56
	strrups 175c/c	10MM	2	1	12.00	1.55	0.62	22.95
	Spacer Bar	20MM	2	1	4.00	0.18	2.46	3.54
	Roof Slab							
	Main bar 150c/c	10MM	1	1	67.00	8.80	0.62	363.78
	Dis. bar	10MM	1	1	59.00	9.9	0.62	360.39
	Ex.bar Ends	10MM	1	2	97.00	3.05	0.62	365.08

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	Dis. bar	10MM	1	2	31.00	9.75	0.62	372.98
	Ex.bar Ends	10MM	1	1	88.00	3.05	0.62	165.60
	Dis. bar	10MM	1	2	31.00	9.75	0.62	372.98
	Ex.bar Ends	10MM	1	1	59.00	2.05	0.62	74.63
	Dis. bar	10MM	1	2	15.00	9.75	0.62	180.47
	chairs 1000 c/c	10MM	2	4	7.00	1.5	0.62	51.83
	Head Room 1,2							
	B23,B24,B18,B22							
	Main top bar	12MM	4	1	2.00	4.9	2.46	96.43
	Main btm bar	16MM	4	1	2.00	4.9	2.46	96.43
	EX.bar bottom	16MM	4	1	2.00	2.7	2.46	53.14
	strrups 150c/c	8MM	4	2	8.00	1.48	0.62	58.44
	strrups 200c/c	8MM	4	1	8.00	1.48	0.62	29.22
	Spacer Bar	20MM	4	1	4.00	0.18	2.46	7.08
	B35							
	Main top bar	20MM	2	1	2.00	6.9	2.46	67.90
	Main btm bar	20MM	2	1	2.00	6.9	2.46	67.90
	EX.bar top Ends	20MM	2	2	2.00	2.6	2.46	51.17
	EX.bar bottom	20MM	2	1	2.00	3.9	2.46	38.38
	strrups 150c/c	8MM	2	2	9.00	1.48	0.39	20.78
	strrups 175c/c	8MM	2	1	8.00	1.48	0.39	9.24
	Spacer Bar	20MM	1	2	4.00	0.18	2.46	3.54
	B37							
	Main top bar	20MM	2	1	3.00	6.3	2.46	92.99
	Main btm bar	20MM	2	1	3.00	6.3	2.46	92.99
	EX.bar bottom	20MM	2	1	3.00	2.6	2.46	38.38
	strrups 100c/c	10MM	2	2	20.00	1.48	0.62	73.05
	strrups 150c/c	10MM	2	1	18.00	1.48	0.62	32.87
	Spacer Bar	20MM	2	1	4.00	0.18	2.46	3.54
	Roof Slab							
	Main bar 150c/c	10MM	2	1	37.00	5.15	0.62	235.14
	Dis. bar	10MM	2	1	34.00	6.00	0.62	251.74
	Ex.bar Ends	10MM	2	2	35.00	1.8	0.62	155.48
	Dis. bar	10MM	2	2	13.00	5.15	0.62	165.23
	Ex.bar Ends	10MM	2	2	44.00	1.8	0.62	195.47
	Dis. bar	10MM	2	2	13.00	6.00	0.62	192.50
	chairs 1000 c/c	10MM	2	4	6.00	1.5	0.62	44.42
							KG	**8639.98**
					Total Work Done		**Tonne**	**8.64**

For M/s. K. DAMODAR & Co.

Contractor
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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10/05/24

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 5

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) - Ready mixed cement concrete for Beams,columns,stairecase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum)							
					Continutity Qty MB1 P.NO-48		Cum	311.39
	Head Room 3	Cum	1	1	6.95	8.05	0.15	8.39
	B39,B41	Cum	2	1	8.05	0.2	0.45	1.45
	B20,B26	Cum	3	1	6.55	0.2	0.45	1.77
	StairCase Room 1,2	Cum	2	1	3.80	5.2	0.15	5.93
	B18,B23,B22,B24	Cum	4	1	3.40	0.2	0.45	1.22
	B35&B37 InSide	Cum	4	1	4.80	0.2	0.45	1.73
	Column	Cum	2	1	0.55	0.2	0.60	0.13
						Total Work Done		332.01
						Upto 125%		279.01
						Above 125%		53.00

For M/s. K. DAMODAR & Co.

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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13/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 17

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 5-14 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.							
	Second Floor							
	Room 5&8							
	Bottom	Sqm	2	2	1.48		0.90	5.33
	Side	Sqm	2	2	0.60		0.90	2.16
	Sil Level Roof Level A2 to C2	Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
		Sqm	2	1	0.10		2.55	0.51
	Sil Level Roof Level I2 to M2	Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
		Sqm	2	1	0.10		2.55	0.51
	Room 6&7							
	Bottom	Sqm	2	2	1.48		0.90	5.33
	Side	Sqm	2	2	0.60		0.90	2.16
	Sil Level Roof Level D2 to F2	Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
		Sqm	2	1	0.10		2.55	0.51
	Sil Level Roof Level I2 to K2	Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
		Sqm	2	1	0.10		2.55	0.51
	F2 to I2							
	Bottom	Sqm	2	1	1.48		0.90	2.66
	Side	Sqm	2	2	0.60		0.90	2.16
	Side	Sqm	2	1	1.10		0.90	1.98
	Sil Level Roof Level F2 to I2	Sqm	2	3	0.50		2.55	7.65
		Sqm	2	1	0.10		2.55	0.51
		Sqm	2	3	0.50		2.55	7.65
		Sqm	2	1	0.10		2.55	0.51
	Third Floor							
	Room 5&8							
	Lintel To Roof Top	Sqm	2	2	1.48		0.90	5.33
	Side	Sqm	2	2	0.60		0.90	2.16
	Lintel Btm	Sqm	2	2	1.48		0.60	3.55
		Sqm	2	2	0.60		0.60	1.44
	A2 to C2	Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
		Sqm	2	1	0.10		2.55	0.51

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	I2 to M2	Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
	Room 6&7	Sqm	2	1	0.10		2.55	0.51
	Lintel To Roof Top							
	Side	Sqm	2	2	1.48		0.90	5.33
	Lintel Btm	Sqm	2	2	0.60		0.90	2.16
		Sqm	2	2	1.48		0.60	3.55
	D2 to F2	Sqm	2	2	0.60		0.60	1.44
		Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
	I2 to K2	Sqm	2	1	0.10		2.55	0.51
		Sqm	2	3	0.50		2.55	7.65
		Sqm	2	3	0.30		2.55	4.59
	F2 to I2	Sqm	2	1	0.10		2.55	0.51
	Sil Level Roof Level F2 to I2	Sqm	2	3	0.50		3.55	10.65
		Sqm	2	1	0.10		3.55	0.71
		Sqm	2	3	0.50		3.55	10.65
		Sqm	2	1	0.10		3.55	0.71
						Total Qty Work Done		**187.78**

M/s. K. BANSDAD & Co.
Contactor
B. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

15/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 19

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 5-14 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.							
	Third Floor							
	Room 1 & 4							
	Long Wall	Sqm	2	2	6.20		2.95	73.16
	Short Wall	Sqm	2	4	5.40		2.95	127.44
	Deduct							0.00
	Lintel	Sqm	2	4	5.40		0.20	-8.64
	Door	Sqm	2	1	1.20		2.40	-5.76
	Windows	Sqm	2	6	1.50		1.50	-27.00
	Room 2& 3							
	Short Wall	Sqm	2	2	5.40		2.95	63.72
		Sqm	2	2	2.05		2.95	24.19
	Deduct							
	Lintel	Sqm	2	2	5.40		0.20	-4.32
	Door	Sqm	2	1	1.20		2.40	-5.76
	Windows	Sqm	2	3	1.50		1.50	-13.50
	Room 5&8							
	Long Wall A'2 to C2	Sqm	2	1	6.85		2.95	40.42
		Sqm	2	1	1.35		3.40	9.18
		Sqm	2	1	0.35		3.40	2.38
	A'6 to C6	Sqm	2	1	6.85		2.95	40.42
		Sqm	2	1	1.35		2.95	7.97
	Short Wall C2 to C6	Sqm	2	1	4.27		2.95	25.19
		Sqm	2	1	2.95		3.40	20.06
	A'2 to A'6	Sqm	2	1	6.20		2.95	36.58
		Sqm	2	1	2.85		3.40	19.38
	Pin Wall Fornt	Sqm	2	2	0.55		3.55	7.81
	Deduct							
	Lintel	Sqm	2	1	3.85		0.20	-1.54
		Sqm	2	1	4.40		0.20	-1.76
		Sqm	2	1	1.60		0.20	-0.64
		Sqm	2	1	2.10		0.20	-0.84
	Stair case landing	Sqm	2	2	0.95		0.15	-0.57
	Door	Sqm	1	2	1.20		2.40	-5.76
	Windows	Sqm	2	4	1.80		1.50	-21.60
	Windows	Sqm	2	1	1.50		1.50	-4.50
	Stair case Room							

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	Deduct	Sqm	2	1	3.40		2.95	20.06
	Staircase beam							
	Windows	Sqm	2	1	3.40		0.60	-4.08
	Passage	Sqm	2	1	1.50		1.20	-3.60
	A'6 to A'7 & N'6 to N'7							
	Deduct w	Sqm	1	2	4.90		2.95	28.91
	Room 6&7	Sqm	1	2	1.50		1.50	-4.50
	Long Wall D6 to F6							
		Sqm	2	1	6.17		2.95	36.40
	Long Wall D3 to F3	Sqm	2	1	3.28		2.95	19.35
		Sqm	2	1	6.17		2.95	36.40
		Sqm	2	1	3.28		2.95	19.35
	Short Wall	Sqm	2	1	0.65		2.95	3.84
		Sqm	2	1	5.50		2.95	32.45
		Sqm	2	1	1.85		3.40	12.58
	Pin Wall Fornt	Sqm	1	3	0.55		3.55	5.86
	Deduct							
	Lintel							
		Sqm	2	1	3.00		0.20	-1.20
		Sqm	1	1	4.00		0.20	-0.80
		Sqm	2	2	2.10		0.20	-1.68
		Sqm	2	1	1.60		0.20	-0.64
	Door	Sqm	1	2	1.20		2.40	-5.76
	Windows	Sqm	1	4	1.50		1.50	-9.00
	Windows	Sqm	1	6	1.20		1.50	-10.80
	Parapet Wall							
		Sqm	1	6	5.40		1.10	35.64
		Sqm	2	1	6.20		1.10	13.64
		Sqm	2	1	2.55		1.10	5.61
		Sqm	2	1	8.02		1.10	17.64
	Head Room 1,2	Sqm	2	1	4.61		2.40	22.13
		Sqm	2	1	5.10		2.40	24.48
		Sqm	2	2	3.40		2.40	32.64
	Deduct	Sqm	2	1	0.75		2.40	-3.60
					Total Qty Work Done			717.02
					Upto 125%			68.90
					Above 125%			648.12

For M/s. K. DAMODAR & Co.

D. MANJUNATH
Managing Partner
Contractor

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

18/08/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	6								
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.							
	Second Floor							
	Lintal A7 to A8 & N7 to N8							
	Side	Sqm	6	1	5.40		0.20	6.48
	Btm	Sqm	6	2	1.50	0.15		2.70
	Side	Sqm	6	1	2.10		0.20	2.52
	Btm	Sqm	6	1	1.50	0.15		1.35
	Side	Sqm	4	1	1.80		0.20	1.44
	Btm	Sqm	4	1	1.20	0.15		0.72
	Room 5 &6 Side	Sqm	4	2	4.00		0.20	6.40
	Btm	Sqm	4	2	1.80	0.15		2.16
	Side	Sqm	2	2	1.60		0.20	1.28
	Btm	Sqm	2	1	1.20	0.15		0.36
	Office 1 & 2 Side	Sqm	2	2	3.17	0.15	0.20	2.54
	Btm	Sqm	2	2	3.00	0.15		1.80
	Side	Sqm	4	2	2.10		0.20	3.36
	Btm	Sqm	4	1	1.50	0.15		0.90
	Side	Sqm	2	2	1.60		0.20	1.28
	Btm	Sqm	2	1	1.20	0.15		0.36
	Sil Level Btm	Sqm	5	2	1.90	0.85		16.15
		Sqm	5	2	3.00		0.10	3.00
	Chajja A8 to N8	Sqm	12	1	1.70	0.60		12.24
	Chajja A'2 to A'6 & N'2 to N'6	Sqm	2	1	4.00	0.60		4.80
		Sqm	2	2	3.45	0.60		8.28
	Chajja D2 to K2	Sqm	2	1	2.80	0.60		3.36
		Sqm	1	1	3.15	0.60		1.89
						Total Qty Work Done		**85.37**
						Upto 125%		**48.80**
						Above 125%		**36.57**

For M/s. K. DANODAR & Co.
Contactor

D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

24/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 15

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)							
				Continutity Qty MB1 P.NO-57			KG	8639.98
	Second Floor Lintal A7 to A8 & N7 to N8							
	Main Bar	12MM	6	1	4.00	5.55	0.89	118.28
	Sttrups 150c/c	8MM	6	1	28.00	0.65	0.39	42.59
	Main Bar	12MM	6	1	4.00	2.10	0.89	44.76
	Sttrups 150c/c	8MM	6	1	15.00	0.65	0.39	22.82
	Main Bar	12MM	4	1	1.60	1.80	0.89	10.23
	Sttrups 150c/c	8MM	4	1	12.00	0.65	0.39	12.17
	Room 5 &6 Side							
	Main Bar	12MM	4	1	4.00	4.60	0.89	65.36
	Sttrups 150c/c	8MM	4	1	30.00	0.65	0.39	30.42
	Main Bar	12MM	2	1	4.00	2.30	0.89	16.34
	Sttrups 150c/c	8MM	2	1	15.00	0.65	0.39	7.61
	Main Bar	12MM	2	1	4.00	1.80	0.89	12.79
	Sttrups 150c/c	8MM	2	1	12.00	0.65	0.39	6.08
	Office 1 & 2 Side							
	Main Bar	12MM	3	1	4.00	3.32	0.89	35.38
	Sttrups 150c/c	8MM	3	1	22.00	0.65	0.39	16.73
	Main Bar	12MM	4	1	4.00	2.30	0.89	32.68
	Sttrups 150c/c	8MM	4	1	14.00	0.65	0.39	14.20
	Main Bar	12MM	2	1	4.00	1.80	0.89	12.79
	Sttrups 150c/c	8MM	2	1	12.00	0.65	0.39	6.08
	Sil Level Btm	10MM	5	2	1.85	0.80	0.62	9.13
	Chajja A8 to N8	10MM	6	2	6.00	2.05	0.62	91.07
		8MM	6	2	15.00	0.85	0.39	59.67
	Chajja A'2 to A'6 & N'2 to N'6	10MM	2	2	6.00	3.40	0.62	50.35
		8MM	2	2	24.00	0.85	0.39	31.82

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	Chajja D2 to K2	10MM	2	2	6.00	2.72	0.62	40.28
		8MM	2	2	19.00	0.85	0.39	25.19
		10MM	2	2	6.00	3.15	0.62	46.65
		8MM	2	2	22.00	0.85	0.39	29.17
							KG	9530.60
					Total Work Done		Tonne	9.53

For M/s. K. DAMODAR & Co.

Contractor

Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

22/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 4

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
				Continutity Qty MB1 P.NO-53			Cum	50.21
	Second Floor Lintal							
	A7 to A8 & N7 to N8 Side	Cum	6	1	5.40	0.15	0.20	0.97
	Side	Cum	6	1	2.10	0.15	0.20	0.38
	Side	Cum	4	1	1.80	0.15	0.20	0.22
	Room 5 &6 Side	Cum	4	2	4.00	0.15	0.20	0.96
	Side	Cum	2	2	1.60	0.15	0.20	0.19
	Office 1 & 2 Side	Cum	2	2	3.17	0.15	0.20	0.38
	Side	Cum	4	2	2.10	0.15	0.20	0.50
	Side	Cum	2	2	1.60	0.15	0.20	0.19
	Sil Level Btm	Cum	5	2	1.90	0.85	0.10	1.62
						Total Work Done		55.62

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

23/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 20

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6.							
	Second Floor							
	Chajja A8 to N8	Sqm	12	1	1.80	0.60		12.96
	Chajja A'2 to A'6 & N'2 to N'6	Sqm	2	1	4.00	0.60		4.80
		Sqm	2	2	3.45	0.60		8.28
	Chajja D2 to K2	Sqm	2	1	2.80	0.60		3.36
		Sqm	1	1	3.15	0.60		1.89
						Total Work Done		**31.29**

For M/s. K. DAMODAR & Co
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

24/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 7

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.							
	Third Floor							
	Lintal A7 to A8 & N7 to N8							
	Side	Sqm	6	1	5.40		0.20	6.48
	Btm	Sqm	6	2	1.50	0.15		2.70
	Side	Sqm	6	1	2.10		0.20	2.52
	Btm	Sqm	6	1	1.50	0.15		1.35
	Side	Sqm	4	1	1.80		0.20	1.44
	Btm	Sqm	4	1	1.20	0.15		0.72
	Room 5 &6 Side	Sqm	4	2	4.00		0.20	6.40
	Btm	Sqm	4	2	1.80	0.15		2.16
	Side	Sqm	2	2	1.60		0.20	1.28
	Btm	Sqm	2	1	1.20	0.15		0.36
	Office 1 & 2 Side	Sqm	2	2	3.17	0.15	0.20	2.54
	Btm	Sqm	2	2	3.00	0.15		1.80
	Side	Sqm	4	2	2.10		0.20	3.36
	Btm	Sqm	4	1	1.50	0.15		0.90
	Side	Sqm	2	2	1.60		0.20	1.28
	Btm	Sqm	2	1	1.20	0.15		0.36
	Sil Level Btm	Sqm	4	2	1.90	0.85		12.92
		Sqm	4	2	3.00		0.10	2.40
	Chajja A8 to N8	Sqm	12	1	1.70	0.60		12.24
	Chajja A'2 to A'6 & N'2 to N'6	Sqm	2	1	4.00	0.60		4.80
		Sqm	2	2	3.45	0.60		8.28
	Chajja D2 to K2	Sqm	2	1	2.80	0.60		3.36
		Sqm	1	1	3.15	0.60		1.89
						Total Qty Work Done		**81.54**
						Upto 125%		**48.80**
						Above 125%		**32.74**

For M/s K. DANODAR & Co

Contactor

D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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28/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 15

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)							
				Continutity Qty MB1 P.NO-65			KG	9530.60
	Third Floor Lintal							
	Lintal A7 to A8 & N7 to N8							
	Main Bar	12MM	6	1	4.00	5.55	0.89	118.28
	Sttrups 150c/c	8MM	6	1	28.00	0.65	0.39	42.59
	Main Bar	12MM	6	1	4.00	2.10	0.89	44.76
	Sttrups 150c/c	8MM	6	1	15.00	0.65	0.39	22.82
	Main Bar	12MM	4	1	1.60	1.80	0.89	10.23
	Sttrups 150c/c	8MM	4	1	12.00	0.65	0.39	12.17
	Room 5 &6 Side							
	Main Bar	12MM	4	1	4.00	4.60	0.89	65.36
	Sttrups 150c/c	8MM	4	1	30.00	0.65	0.39	30.42
	Main Bar	12MM	2	1	4.00	2.30	0.89	16.34
	Sttrups 150c/c	8MM	2	1	15.00	0.65	0.39	7.61
	Main Bar	12MM	2	1	4.00	1.80	0.89	12.79
	Sttrups 150c/c	8MM	2	1	12.00	0.65	0.39	6.08
	Office 1 & 2 Side							
	Main Bar	12MM	3	1	4.00	3.32	0.89	35.38

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	Sttrups 150c/c	8MM	3	1	22.00	0.65	0.39	16.73
	Main Bar	12MM	4	1	4.00	2.30	0.89	32.68
	Sttrups 150c/c	8MM	4	1	14.00	0.65	0.39	14.20
	Main Bar	12MM	2	1	4.00	1.80	0.89	12.79
	Sttrups 150c/c	8MM	2	1	12.00	0.65	0.39	6.08
	Chajja A8 to N8	10MM	6	2	6.00	2.05	0.62	91.07
		8MM	6	2	15.00	0.85	0.39	59.67
	Chajja A'2 to A'6 & N'2 to N'6	10MM	2	2	6.00	3.40	0.62	50.35
		8MM	2	2	24.00	0.85	0.39	31.82
	Chajja D2 to K2	10MM	2	2	6.00	2.72	0.62	40.28
		8MM	2	2	19.00	0.85	0.39	25.19
		10MM	2	2	6.00	3.15	0.62	46.65
		8MM	2	2	22.00	0.85	0.39	29.17
	Sil Level Btm	10MM	4	2	1.85	0.80	0.62	7.31
	Third Floor Slab D2 to F2 & I2 to K2							
		10MM	2	2	4.00	2.8	0.62	27.64
		8MM	2	2	17.00	1.55	0.39	41.11
		10MM	2	1	17.00	2.3	0.62	48.25
		10MM	2	1	15.00	2.6	0.62	48.13
							KG	**10584.51**
					Total Work Done		**Tonne**	**10.58**

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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29/06/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	4								
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
				Continutity Qty MB1 P.NO-66				Cum	55.62
	Third Floor Lintal								
	Side A7 to A8 & N7 to N8	Cum	6	1	5.40	0.15	0.20	0.97
	Side	Cum	6	1	2.10	0.15	0.20	0.38
	Side	Cum	4	1	1.80	0.15	0.20	0.22
	Room 5 &6 Side	Cum	4	2	4.00	0.15	0.20	0.96
	Side	Cum	2	2	1.60	0.15	0.20	0.19
	Office 1 & 2 Side	Cum	2	2	3.17	0.15	0.20	0.38
	Side	Cum	4	2	2.10	0.15	0.20	0.50
	Side	Cum	2	2	1.60	0.15	0.20	0.19
	Sil Level Btm	Cum	4	2	1.90	0.85	0.10	1.29
	A'2 to C2	Cum	2	1	9.65	0.3	0.10	0.58
						Total Work Done			61.29
						Upto 125%			42.49
						Above 125%			18.80

For M/s. K. DAMODAR & Co.

D. DAMODARA
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	20								
S.N	Description of work	Unit	No	No	L	B	D	Qty	
Item Name	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6.								
			Continutity Qty MB1 P.NO-67					Sqm	31.27
	Third Floor								
	Chajja A8 to N8	Sqm	12	1	1.80	0.60		12.96	
	Chajja A'2 to A'6 & N'2 to N'6	Sqm	2	1	4.00	0.60		4.80	
		Sqm	2	2	3.45	0.60		8.28	
	Chajja D2 to K2	Sqm	2	1	2.80	0.60		3.36	
		Sqm	1	1	3.15	0.60		1.89	
					Total Qty Work Done			**62.56**	
					Uppto 125%			**20.03**	
					Above 125%			**42.54**	

For M/s. K. DAMODAR & Co.

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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29/6/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 21

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete. (PWD-SR 2018-19, P-53, I-9.11)							
	Second & Third Floor							
	D1 frame	CUM	1	16	1.40	0.12	0.08	0.22
		CUM	1	16	1.40	0.12	0.08	0.22
		CUM	1	32	2.40	0.12	0.08	0.74
	Ground Floor & First Floor Toilet Room	CUM	4	2	1.40	0.12	0.08	0.11
		CUM	4	2	2.40	0.12	0.08	0.18
	Head Room	CUM	1	2	2.40	0.12	0.08	0.05
		CUM	1	2	1.40	0.12	0.08	0.03
					Total Qty Work Done			**1.53**
					Uppto 125%			**0.925**
					Above 125%			**0.61**

For M/s. K. DAMODAR & Co.

Contractor

Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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30/6/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 34

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 9-27.1: Fixing Door frame in an existing opening including embedding frame in floor and walls after cutting masonry for hold fasts for embedding hold fast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coat tar to sides of frame, making good the damages to wall and floor as required and disposal of the debris with lead upto 50m. including cost of materials, labour charges, complete as per specifications. (P-61, I-9.80)							
	Second & Third Floor	1 set						
	D1 frame	Nos	1	8				8.00
		Nos	1	8				8.00
	Toilet Room	Nos	4	1				4.00
	Head Room	Nos	1	1				1.00
					Total Qty Work Done			21.00
					Upto 125%			13.00
					Above125%			8.00

For M/s K. DAMODAR & Co.
Contactor
B. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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4/7/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 39

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (page no. 34, Item no.7.9 PWD-S.R 2018-19)							
	Second Floor Windows							
	Room 1,4 W3	Sqm	2	6	1.50	1.5		27.00
	Room 2,3 W3	Sqm	2	3	1.50	1.5		13.50
	Passage W2	Sqm	2	1	1.50	1.5		4.50
	Room 5,6	Sqm	2	3	1.20	1.5		10.80
		Sqm	2	2	1.50	1.5		9.00
	Room 7,8	Sqm	2	1	1.50	1.5		4.50
		Sqm	2	4	1.80	1.5		21.60
	Third Floor							
	Room 1,4 W3	Sqm	2	6	1.50	1.5		27.00
	Room 2,3 W3	Sqm	2	3	1.50	1.5		13.50
	Passage W2	Sqm	2	1	1.50	1.5		4.50
	Room 5,6	Sqm	2	3	1.20	1.5		10.80
		Sqm	2	2	1.50	1.5		9.00
	Room 7,8	Sqm	2	1	1.50	1.5		4.50
		Sqm	2	4	1.80	1.5		21.60
	StairCase	Sqm	2	4	1.20		1.50	14.40
	Toilet Room ventilator	Sqm	4	1	2.75		0.60	6.60
		Sqm	4	1	6.00		0.60	14.40
	Head Room Windows	Sqm	1	2	1.50		1.50	4.50
							Sqm	221.70
		222.06X21 kg/m				Total Qty Work Done		4655.70
						Upto 125%		1679.74
						Above125%		2975.96

For M/S. R. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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11/7/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	62							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Supplying heavy gauge PVC conduit pipe .....mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire							
	S.F 19/20mm dia 2mm thick.	Mtr	1	440				440.00
	T.F 19/20mm dia 2mm thick.	Mtr	1	440				440.00
	H.Room 19/20mm dia 2mm thick.	Mtr	1	120				120.00
					Total Qty Work Done			1000.00
					Upto 125%			1000.00

For M/s. K. DAMODAR & Co.
Contractor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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4/9/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 63

1st RA bill

Item No / S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Supplying heavy gauge PVC conduit pipe ..... mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire							
	S.F 25mm dia 2mm thick.	Mtr	1	260				260.00
	T.F 25mm dia 2mm thick.	Mtr	1	260				260.00
	H.Room 25mm dia 2mm thick.	Mtr	1	80				80.00
					Total Qty Work Done			**600.00**
					Upto 125%			**600.00**

For M/s. K. DAMODARA RAO
Contactor

P. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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5/07/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	64								
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe ....dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.							
	S.F 19/20mm dia 2mm thick.	Mtr	1	170				170.00
	T.F 19/20mm dia 2mm thick.	Mtr	1	170				170.00
	H.Room 19/20mm dia 2mm thick.	Mtr	1	55				55.00
					Total Qty Work Done			**395.00**
					Upto 125%			**395.00**

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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6/07/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 65

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe ....dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.							
	S.F 25mm dia 2mm thick.	Mtr	1	95				95.00
	T.F 25mm dia 2mm thick.	Mtr	1	95				95.00
	H.Room 25mm dia 2mm thick.	Mtr	1	35				35.00
					Total Qty Work Done			225.00

For M/s. K. DAMODAR & Co.

Contractor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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4/07/2022

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	66							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Supplying And Fixing Metal Fan Box with Round Hook							
	Second Floor	Nos	1	13				13.00
	Third Floor	Nos	1	13				13.00
					Total Qty Work Done			26.00
					Upto 125%			8.00
					Above 125%			18.00

For M/s. K. DAMODAR & CO,

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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8/07/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

PRE-MEASUREMENT SHEET

Bill No :	1st RA bill
Item No	EIRL 1

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 6.32 : Providing and constructing non load bearing Wall with Light Weight Concrete (Autoclaved aerated concrete) Blocks Confirming to IS:2185 (part) 1984 and IS 6441-1972 of compressive Strength of 3.0N/sq mm with a thin layer of polymer based jiontig solvent for super structure with neccesary including cost of materials, labour charges, scaffolding, curing complete as per specifications. Item No. 6.32.2)							
	Second Floor & Third Floor							
	Room 2	Sqm	1	1	6.75		3.40	22.95
	Office Room	Sqm	2	1	7.65		3.40	52.02
	Deduct Beam	Sqm	3	1	0.20		0.45	-0.27
	Head Room							
	Long Wall	Sqm	2	1	6.55		3.30	43.23
	Short Wall	Sqm	2	1	5.75		3.30	37.95
	Deduct Door	Sqm	1	1	1.20		2.40	-2.88
	Deduct Window	Sqm	1	2	1.50		1.50	-4.50
	Long Wall (Roof Top)	Sqm	2	1	9.00		0.20	3.60
	Short Wall	Sqm	1	1	8.50		0.20	1.70
						Total Qty Work Done		153.00

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH

Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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09/07/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	EIRL 6							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 15.9 Providing and fixing Corner beads 45x45mm size manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls,columns,lintels including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) ---- The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work							
	Second Floor Inside							
	Room 5 &8	RMt	2	5			2.95	10.00
		RMt	2	1	5.40			10.80
		RMt	2	1	3.20			6.40
		RMt	2	1	4.17			8.34
	Room 6&7	RMt	2	5			2.95	29.50
		RMt	2	1	6.85			13.70
		RMt	2	1	1.30			2.60
		RMt	2	1	3.65			7.30
	Room 1,4	RMt						
		RMt	2	10			2.95	59.00
		RMt	2	1	6.20			12.40
		RMt	2	4	5.40			43.20
	Room 2,3	RMt	1	12			2.95	12.00
		RMt	1	4	5.40			21.60
		RMt	1	2	4.10			8.20
						Total Qty Work Done		245.04

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	EIRL 7								
S.N	Description of work	Unit	No	No	L	B	D	Qty
EIRL 7	KSRB 15.8.2 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications,The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work							
	Second Floor Inside							
	Passage							
		RMt	2	1	2.15			4.30
		RMt	2	6	5.40			64.80
		RMt	1	16			3.40	54.40
		RMt	2	10			3.40	68.00
		RMt	2	1	6.17			12.34
		RMt	1	1	6.55			6.55
		RMt	2	1	4.10			8.20
		RMt	2	1	6.85			13.70
		RMt	2	1	1.30			2.60
	Room 2 &3	RMt	2	1	6.20			12.40
	Room 5 &8	RMt	2	2			2.95	4.00
		RMt	2	1	3.20			6.40
		RMt	2	1	4.17			8.34
	Room 6&7	RMt	2	2			2.95	11.80
		RMt	2	1	6.17			12.34
		RMt	2	1	3.20			6.40
					Total Qty Work Done			**296.57**

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

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BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	41							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 15.3.13 Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rouding of corner wherever required smooth rendering, providing and removing scaffolding,							
	Second Floor							
	Room 1 & 4							
		Sqm	2	2	6.75	5.4		145.80
	Beam	Sqm	2	2	6.75	1.1		29.70
	Room 2& 3							0.00
		Sqm	2	2	6.75	5.4		145.80
		Sqm	2	2	6.75	1.98		53.46
	Beam	Sqm	2	2	6.75	1.1		29.70
	Room 5&8							0.00
		Sqm	2	1	7.62	6.85		104.39
		Sqm	2	1	1.30	7.62		19.81
		Sqm	2	1	0.55	1.5		1.65
		Sqm	2	1	0.55	2		2.20
	Beam	Sqm	2	2	7.62	1.1		33.53
	Stair case Room							0.00
	Staircase Room 5th Flight	Sqm	1	1	1.50	3.25		4.88
	6th Flight	Sqm	1	1	1.50	3.75		5.63
	Landing	Sqm	1	1	1.35	3.4		4.59
	Passage							0.00
		Sqm	1	2	8.55	2.15		36.77
		Sqm	1	1	26.50	2.75		72.88
	Room 6&7							
	Long Wall	Sqm	2	1	6.17	6.3		77.74
		Sqm	2	1	3.20	6.3		40.32
		Sqm	2	1	0.55	1.3		1.43
	Beam	Sqm	2	1	1.40	6.3		17.64
						Total Qty Work Done		**827.91**
						Upto 125%		**735.55**
						Above125%		**92.36**

For M/s. K. DAMODAR & Co.

Contractor
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 60

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117, item no.15.33 S.R 2018-19)							
	Second Floor							
	Room 1 & 4							
		Sqm	2	2	6.75	5.4		145.80
	Beam	Sqm	2	2	6.75	1.1		29.70
	Room 2& 3							0.00
		Sqm	2	2	6.75	5.4		145.80
		Sqm	2	2	6.75	1.98		53.46
	Beam	Sqm	2	2	6.75	1.1		29.70
	Room 5&8							0.00
		Sqm	2	1	7.62	6.85		104.39
		Sqm	2	1	1.30	7.62		19.81
		Sqm	2	1	0.55	1.5		1.65
		Sqm	2	1	0.55	2		2.20
	Beam	Sqm	2	2	7.62	1.1		33.53
	Stair case Room							0.00
	Staircase Room 5th Flight	Sqm	1	1	1.50	3.25		4.88
	6th Flight	Sqm	1	1	1.50	3.75		5.63
	Landing	Sqm	1	1	1.35	3.4		4.59
	Passage							0.00
		Sqm	1	2	8.55	2.15		36.77
		Sqm	1	1	26.50	2.75		72.88
	Room 6&7							
	Long Wall	Sqm	2	1	6.17	6.3		77.74
		Sqm	2	1	3.20	6.3		40.32
		Sqm	2	1	0.55	1.3		1.43
	Beam	Sqm	2	1	1.40	6.3		17.64
					Total Qty Work Done			**827.91**

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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24/07/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	38							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB-15.3.8 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon.							
	Second Floor InSide							
	Room 1 & 4							
	Long Wall	Sqm	2	2	6.85		3.40	93.16
	Short Wall	Sqm	2	4	5.40		3.40	146.88
	Column	Sqm	2	1	1.40		2.95	8.26
	Column	Sqm	2	1	0.32		2.95	1.89
	Offset Column	Sqm	2	2	0.05		2.95	0.59
	Offset Column	Sqm	2	2	0.05		2.95	0.59
	Deduct							0.00
	Door	Sqm	2	1/2	1.20		2.40	-2.88
	Windows	Sqm	12	1/2	1.50		1.50	-13.50
	Room 2& 3							
	Long Wall	Sqm	2	2	6.75		3.40	91.80
	Short Wall	Sqm	2	2	5.40		3.40	73.44
	Short Wall	Sqm	2	2	1.97		3.40	26.79
	Beam	Sqm	2	1	6.15		1.10	13.53
	Column	Sqm	2	1	1.40		3.40	9.52
	Column	Sqm	2	1	0.32		2.95	1.89
	Offset Column	Sqm	2	2	0.05		2.95	0.59
	Deduct							0.00
	Door	Sqm	2	1/2	1.20		2.40	-2.88
	Windows	Sqm	2	1/2	1.50		1.50	-2.25
	Room 5&8							
	Long Wall	Sqm	2	2	6.85		3.40	93.16
		Sqm	2	2	1.30		3.40	17.68
	Column	Sqm	2	2	1.40		3.40	19.04
	Column	Sqm	2	2	1.55		3.40	21.08
	Short Wall	Sqm	2	1	4.16		3.40	28.29
		Sqm	2	1	2.45		3.40	16.66
		Sqm	2	1	7.65		3.40	52.02
	Deduct							
	Door	Sqm	2	1/2	1.20		2.40	-2.88
	Windows	Sqm	2	1/2	1.50		1.50	-2.25
	Windows	Sqm	8	1/2	1.80		1.50	-10.80
	Stair case Room							
		Sqm	1	2	3.40		2.95	20.06

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		Sqm	2	2	4.17		3.55	59.21
	Deduct							
	Staircase beam	Sqm	1	2	3.40		0.45	-3.06
	Windows	Sqm	1	2	1.40		2.50	-7.00
	Passage							
		Sqm	1	1	38.10		3.40	129.54
		Sqm	1	1	43.59		3.40	148.21
		Sqm	1	2	2.15		3.40	14.62
	Deduct Stair Case Area	Sqm	1	2	3.40		2.95	-20.06
	Deduct W	Sqm	12	1/2	1.50		1.50	-13.50
	Door	Sqm	8	1/2	1.20		2.40	-11.52
	Room 6&7							
	D3,D5 to K2,K5 Long Wall	Sqm	2	1	6.17		3.40	41.96
		Sqm	2	1	3.67		3.40	24.96
		Sqm	2	2	1.90		3.40	25.84
		Sqm	1	1	6.55		3.40	22.27
		Sqm	1	1	3.95		3.40	13.43
		Sqm	1	2	2.40		3.40	16.32
		Sqm	1	2	1.20		3.40	8.16
	Column	Sqm	2	1	1.40		2.95	8.26
	Column Offset	Sqm	2	2	0.05		2.95	0.59
	Column	Sqm	2	2	0.85		2.95	10.03
	Short Wall	Sqm	1	2	4.61		3.40	31.35
		Sqm	1	2	1.83		3.40	12.44
		Sqm	1	1	7.65		3.40	26.01
	Deduct							
	Door	Sqm	2	1/2	1.20		2.40	-2.88
	Windows	Sqm	10	1/2	1.50		1.50	-11.25
					Total Qty Work Done			**1223.40**
					Upto 125%			**1223.40**

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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MBOQ Items No

ABSTRACT

	Description of work	Unit	Schedule B		Previous Measurment		Present Measurment			Total Up-to-date		Remarks
			Qty	Rate Rs	Qty	Cost	Qty	Rate Rs. P	Cost	Qty	Cost	
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2.-d o -i) Lime/Cement Concrete. I. By Manual Means : B. Cement Concrete Grade M-15 & M-20.	Cum	28.05	661.5			28.05	661.50	18555.08	28.05	18555.08	
2	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling Brick I Tile work. A. In lime mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work	Cum	100.05	417.00			76.99	417.00	32105.25	76.99	32105.25	
3	KSRB 4-1.2 Providing and Laying in position plain cement concrete of **Mix 1:3:6** with OPC Cement @180kgs with 40mm down size graded granite metal coarse aggregate 0.85cum and fine aggregate @ 0.57Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification.	Cum	17.34	6620.00			5.47	6620.00	36224.64	5.47	36224.64	
4	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of **design mix M20** with OPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum. with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick. vibrated for all works in ground floor level for roof slabs, staircase. lintles and beams retaining walls, return walls (any thickness) including attached pilasters, columns,. pillars, posts, struts, buttresses. string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.. including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	cum	42.49	7270.00			42.49	7270.00	308902.30	42.49	308902.30	
	Above 125%		20.60	7112.02			18.80	7112.02	133673.35	18.80	133673.35	
5	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of **design mix M20** with OPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum. with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick. vibrated for all works in ground floor level for roof slabs, staircase. lintles and beams retaining walls, columns,. pillars, posts, struts, thickness) including attached pilasters, columns,. pillars, posts, struts, buttresses. string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.. including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	cum	279.01	7328.00			279.01	7328.00	2044585.28	279.01	2044585.28	
	Above 125%		53.00				53.00	7112.02	376948.56	53.00	376948.56	

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6	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	48.80	543.00			48.80	541.00	26400.80	48.80	26400.80	
	Above 125%		36.57				36.57	544.80	19921.16	36.57	19921.16	
7	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	48.80	543.00			48.80	543.00	26498.40	48.80	26498.40	
	Above 125%		32.74				32.74	544.80	17834.57	32.74	17834.57	
8	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	208.16	545.00			208.16	545.00	113448.56	208.16	113448.56	
	Above 125%		336.32				299.05	544.80	162922.17	299.05	162922.17	
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	161.73	347.00			161.73	347.00	56119.27	161.73	56119.27	
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	681.08	345.00			681.08	345.00	234973.64	681.08	234973.64	
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.	Sqm	101.97	522.00			101.97	522.00	53228.34	101.97	53228.34	
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.	Sqm	125.36	524.00			125.36	524.00	65689.95	125.36	65689.95	
	Above 125%		186.36				186.36	544.80	101530.29	186.36	101530.29	
13	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17 I.No.4.34 of PWD S.R 2018-19)	Sqm	1109.00	520.00			1109.00	520.00	576680.00	1109.00	576680.00	
	Above 125%		159.34				159.34	525.81	83782.38	159.34	83782.38	
14	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Toone	6.68	99410.00			6.28	99410.00	624601.32	6.28	624601.32	

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15	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or adjoining members wherever required, tying with binding wire and achoring to the hooks and wastage shall not be measeured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Toone	5.10	100360.00			5.10	100360.00	511836.00	5.10	511836.00	
	Above 125%		5.65				5.48	105532.62	578318.75	5.48	578318.75	
16	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or adjoining members wherever required, tying with binding wire and achoring to the hooks and wastage shall not be measeured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Toone	33.49	101315.00			33.49	101315.00	3392786.05	33.49	3392786.05	
	Above 125%		18.23				18.23	105532.62	1924343.77	18.23	1924343.77	
17	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	288.70	1172.00			187.78	1172.00	220078.16	187.78	220078.16	
	Above 125%		58.28	1149.00			58.28	1149.00	66957.98	58.28	66957.98	
18	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	58.28	1149.00			58.28	1149.00	66957.98	58.28	66957.98	
	Above 125%		513.72				513.72	1202.35	817665.81	513.72	617665.81	
19	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	68.90	1220.00			68.90	1220.00	84058.00	68.90	84058.00	
	Above 125%		648.12	1202.35			648.12	1202.35	779267.06	648.12	779267.06	
20	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.03911cum. with superplastisiser @0.225lts, machine mixed, well graded compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.20)	Sqm	20.03	570.00			20.03	570.00	11414.25	20.03	11414.25	
	Above 125%		42.56				42.56	600.58	25557.75	42.56	25557.75	
21	Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps). Honne wood cost of materials, labour, HOM complete as per specifications. Honne wood frames	Cum	0.93	103979.00			0.93	103979.00	96180.58	0.93	96180.58	

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	Above 125%		0.90				0.61	103978.94	63131.85	0.61	63131.85		
23	KSRB-15.3.8 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon. (Issue rate as on date 21-10-19, Item No. 15.16)	Sqm	1275.75	336.00			1223.40	336.00	411062.40	1223.40	411062.40		
25	KSRB 15.3.13 Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rouding of corner wherever required smooth rendering, providing and removing scaffolding, including cost of materials, Labour, Curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 15.21)	Sqm	735.55	301.00			735.55	301.00	221400.55	735.55	221400.55		
	Above 125%		920.26				92.36	256.37	23677.74	92.36	23677.74		
34	KSRB 9-27.1: Fixing Door frame in an existing opening including embedding frame in floor and walls after cutting masonry for hold fasts for embedding hold fast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coat tar to sides of frame, making good the damages to wall and floor as required and disposal of the debris with lead upto 50m. including cost of materials, labour charges, complete as per specifications. (P-61, I-9.80)	Nos	13.00	1621.00			13.00	1621.00	21073.00	13.00	21073.00		
	Above 125%		12.00				8.00	1630.83	13046.62	8.00	13046.62		
39	KSRB 7.9: Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or combination of M.S.Flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of all materials, fixtures, labour and HOM of machinery complete as per specifications (I-7.9)	kg	1679.74	113.00			1679.74	113.00	189810.34	1679.74	189810.34		
	Above 125%		3283.40				2983.52	127.00	378908.35	2983.52	378908.35		
41	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117. item no.15.33 S.R 2018-19)	Sqm	2050.76	38.00			827.91	38.00	31460.43	827.91	31460.43		
62	Supplying heavy gauge PVC conduit pipe .....mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Mtr	1000.00	44.00			1000.00	44.00	44000.00	1000.00	44000.00		
63	25mm dia 2mm thick	Mtr	600.00	58.00			600.00	58.00	34800.00	600.00	34800.00		
64	Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe ....dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	395.00	56.00			395.00	56.00	22120.00	395.00	22120.00		
		Mtr	225.00	59.00			225.00	59.00	13275.00	225.00	13275.00		
65	25mm dia 2mm thick	Nos	8.00	93.00			8.00	93.00	744.00	8.00	744.00		
66	Supplying And Fixing Metal Fan Box with Round Hook		18.00	93.42			18.00	93.42	1681.47	18.00	1681.47		
	Above 125%												

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EIRL 1	KSRB 6.32 : Providing and constructing non load bearing Wall with Light Weight Concrete (Autoclaved aerated concrete) Blocks Confirming to IS:2185 (part) 1984 and IS 6441-1972 of compressive Strength of 3.0N/sq mm with a thin layer of polymer based jiontig solvent for super structure with neccesary including cost of materials, labour charges, scaffolding, curing complete as per specifications. Item No. 6.32.2)	Sqm	153.00				153.00	1856.34	284020.02	153.00	284020.02	
EIRL 6	KSRB 15.9 Providing and fixing Corner beads 45x45mm size manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls,columns,lintels including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) ---- The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Mtr	490.08				245.04	47.48	11634.50	245.04	11634.50	
EIRL 7	KSRB 15.8.2 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications,The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Mtr	593.14				296.57	51.04	15138.93	296.57	15136.93	
	Total								15204072.96		15204072.96	

For M/s. K. DAMODAR & Co.

Contractor

D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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